

PROJECT DESCRIPTION

I. GENERAL

This project involves the reconstruction of the existing signal and the upgrade of all existing pedestrian crossings to LED Countdown heads with Accessible Pedestrian Pushbuttons.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 2-phase, semi-actuated mode with pushbutton activated crossings on the North, East and West legs of the intersection. Interconnect cable runs to the North, West and South.

PUSHBUTTON OPERATION

EAST LEG WAIT MESSAGE: WAIT TO CROSS TALBOT AT BALTIMORE

EAST LEG WALK MESSAGE: RAPID TICK

NORTH LEG WAIT MESSAGE: WAIT TO CROSS BALTIMORE AT TALBOT

NORTH LEG WALK MESSAGE: RAPID TICK

WEST LEG WAIT MESSAGE: WAIT TO CROSS TALBOT AT BALTIMORE

WEST LEG WALK MESSAGE: RAPID TICK

CONTACTS

DISTRICT

MR. BRIAN YOUNG
ASSISTANT DISTRICT ENGINEER - TRAFFIC
1-301-513-7409

MR. AUCIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
1-301-513-7350

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
1-301-513-7304

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
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MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

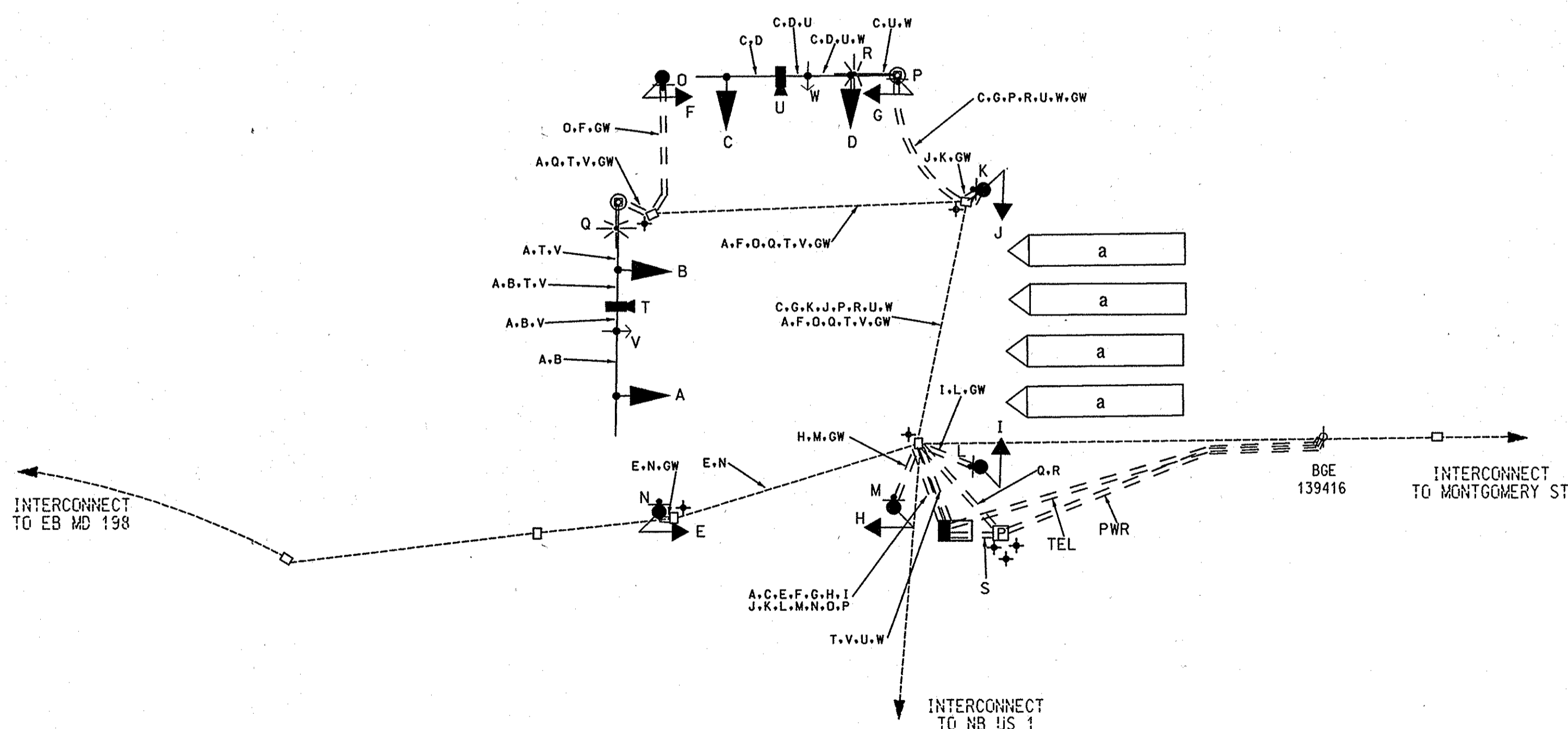
MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION

ITEM #	QUANTITY	ITEM DESCRIPTION
9000	1 EA	TERRA ACCESS PORT
9000	1 EA	VIDEO INTERFACE PANEL
9044	1 EA	CONTROLLER CABINET, SIZE 6 WITH TELEMTRY
9571	44.25 SF	SHEET ALUMINUM SIGNS MAST ARM/POLE MOUNT
		- 1 EA R3-1 30"x30" NO RIGHT TURN SYMBOL, MAST ARM MOUNTED
		- 1 EA R3-2 30"x30" NO LEFT TURN SYMBOL, MAST ARM MOUNTED
		- 1 EA D3-2 TALBOT AVE 16"x72" STREET NAME SIGN, MAST ARM MOUNTED SINGLE FACE
		- 1 EA D3-2 BALTIMORE AVE 16"x96" STREET NAME SIGN, MAST ARM MOUNTED SINGLE FACE
		- 4 EA R10-3(1) 9"x15" PUSHBUTTON TO CROSS "TALBOT AVE"
		- 2 EA R10-3(1) 9"x15" PUSHBUTTON TO CROSS "BALTIMORE AVE"
		- 1 EA R1-2 36"x36" YIELD SIGN

B. EQUIPMENT TO BE SUPPLIED AND/OR INSTALLED BY THE CONTRACTOR

ITEM #	QUANTITY	ITEM DESCRIPTION
1003	2 EA	MAINTENANCE OF TRAFFIC
5007	375 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS-ANY WIDTH
5004	325 LF	F&I 12" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	70 LF	F&I 24" WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
6001	150 LF	F&I STANDARD TYPE A COMBINATION CURB AND GUTTER, 12" GUTTER PAN 8" DEPTH
6002	1350 SF	F&I 5" CONCRETE SIDEWALK
6003	80 SF	F&I DETECTABLE WARNING SURFACES
8001	1 EA	F&I 2 WIRE CENTRAL CONTROL UNIT
8004	3 EA	ADJUST HANDHOLE TO GRADE INCLUDING COLLAR
8006	2 EA	F&I ANY SIZE LIGHTING ARM ON SIGNAL POLE WITH 250 W HPS LUMINAIRE
8007	6 EA	F&I AUDIBLE TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8008	5 EA	F&I BREAKAWAY PEDESTAL POLE (ANY SIZE)
8013	6 EA	F&I 16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
8015	1 EA	F&I MAST ARM POLE AND 38' MAST ARM ANY 'T' DIMENSION
8018	1 EA	F&I MAST ARM POLE AND 50' MAST ARM ANY 'T' DIMENSION
8021	1 EA	REMOVE AND DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8025	2 EA	F&I VIDEO DETECTION CAMERA AND CABLE UP TO 500'
8030	125 LF	DISCONNECT, PULL BACK AND RE-ROUTE CABLES
8034	300 LF	F&I WOOD SIGN SUPPORTS UP TO 4"x6"
8035	15 LF	F&I UP TO 4" SCH 80 RIGID PVC CONDUIT-TRENCHED
8036	35.25 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8037	50 SF	REMOVE/REINSTALL DECORATIVE BRICK SIDEWALK
8038	350 SF	F&I #6 STRANDED BARE COPPER GROUND WIRE
8041	1 EA	F&I METERED SERVICE PEDESTAL EMBEDDED
8043	50 LF	F&I ELECTRICAL CABLE 1 CONDUCTOR NO 4 AWG-THHN/THWN
8050	12 EA	F&I 12" (RYG) LED SIGNAL HEAD SECTION
8051	400 LF	F&I 4 CONDUCTOR OPTICOM CABLE
8052	1 EA	CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE
8054	600 LF	F&I ELECTRICAL CABLE-2 CONDUCTOR (NO 14 AWG)
8056	675 LF	F&I ELECTRICAL CABLE-5 CONDUCTOR (NO 14 AWG)
8057	400 LF	F&I ELECTRICAL CABLE-7 CONDUCTOR (NO 14 AWG)
8058	400 LF	F&I ELECTRICAL CABLE-2 CONDUCTOR (NO 12 AWG) TRAY CABLE
8065	1 EA	INSTALL CONTROLLER AND CABINET-BASE MOUNT



A,C 7- CONDUCTOR #14 AWG ELECTRICAL CABLE
B,D 5-CONDUCTOR #14 AWG ELECTRICAL CABLE
E-J
K-P 2-CONDUCTOR #14 AWG ELECTRICAL CABLE
Q,R 2 CONDUCTOR #12 AWG TRAY CABLE
S 3 RUNS 1 -CONDUCTOR #4AWG THHN/THWN
T,U VIDEO DETECTION CABLE
V,W OPTICOM CABLE
GW #6 STRANDED BARE COPPER GROUND WIRE
PWR POWER FEED
TEL PHONE SERVICE

NOTE: THE CONTRACTOR SHALL REMOVE ALL EXISTING CABLE UPON COMPLETION OF WORK

TOD NO:XX445-07
SHA NO: PG719A53/C53
US 1 S@ MD 198 W

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

SB US 1 (BALTIMORE AVE) @

WB MD 198 (TALBOT AVE)

GENERAL INFORMATION SHEET

SCALE NA ADVERTISED DATE CONTRACT NO.

DESIGNED BY C STRAIN COUNTY PRINCE GEORGE'S

DRAWN BY C STRAIN LOGMILE 16000100.56

CHECKED BY J BIDDLE TMS NO. J507

F.A.P. NO. NA TOD NO.

TS NO. 1636 DRAWING **SG-3** OF 3 SHEET NO. 3 OF 3

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